

A. CLASSIFICATION OF SUBJECT MATTER C07K14/54 C12N15/11							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS	SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) C12N C07K							
Documentat	ion searched other than minimum documentation to the extent that su	uch documents are included in the fields sear	rched				
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)					
EPO-In	ternal, MEDLINE, EMBASE, BIOSIS, EMB	L į					
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.				
X	YON SU KIM ET AL: "Targeting the receptor with an antagonist IL-15 mutant/Fcgamma2a protein blocks delayed-type hypersensitivity" JOURNAL OF IMMUNOLOGY, THE WILLIA WILKINS CO. BALTIMORE, US, vol. 160, no. 12, 15 June 1998 (1998-06-15), pages 5742-5748, XP002185136 ISSN: 0022-1767 the whole document		1,2,4-7, 12,13, 15,16				
X Furt	her documents are listed in the continuation of Box C.	X See patent family annex.					
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to Involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed Invention cannot be considered to Involve an inventive step when the document is combined with one or riffore other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family					
Date of the actual completion of the international search 24 January 2006		Date of mailing of the international search					
	mailing address of the ISA/	Authorized officer					
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswljk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Strobel, A					

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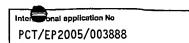
page 1 of 3

InterConal application No
PCT/EP2005/003888

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
····		
Category*	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SUTHERLAND ROBYN M ET AL: "Protective effect of CTLA4Ig secreted by transgenic fetal pancreas allografts" TRANSPLANTATION (BALTIMORE), vol. 69, no. 9, 15 May 2000 (2000-05-15), pages 1806-1812, XP009041013 ISSN: 0041-1337 abstract page 1807, left-hand column, paragraphs 1,4,6 - right-hand column, paragraph 3	1-18
Α	KIM Y S ET AL: "IMMUNOGLOBULIN-CYTOKINE FUSION MOLECULES: THE NEW GENERATION OF IMMUNOMODULATING AGENTS" TRANSPLANTATION PROCEEDINGS, ORLANDO, FL, US, vol. 30, no. 8, 1998, pages 4031-4036, XP001031432 ISSN: 0041-1345 page 4035, left-hand column, paragraph 3 - right-hand column, paragraph 2; tables 2,3	1-18
Α	WO 01/57242 A (AURORA BIOSCIENCES CORP; CUBITT ANDREW B (US); POLLOK BRIAN A (US); S) 9 August 2001 (2001-08-09) page 148 - page 149; example 10; sequence 53	9,11-18
A	WO 02/38766 A (ZYMOGENETICS INC) 16 May 2002 (2002-05-16) sequence 17	9,11-18
Α	WO 03/087320 A (MOLL THOMAS; STROM TERRY B (US); ZHENG XIN XIAO (US); BETH ISRAEL HOS) 23 October 2003 (2003-10-23) page 33, line 25 - page 34, line 10; sequence 13	1-18
E	EP 1 554 307 A (F. HOFFMANN-LA ROCHE AG) 20 July 2005 (2005-07-20) the whole document	1-18
Ρ,Χ	FERRARI-LACRAZ SYLVIE ET AL: "Targeting IL-15 receptor-bearing cells with an antagonist mutant IL-15/Fc protein prevents disease development and progression in murine collagen-induced arthritis" JOURNAL OF IMMUNOLOGY, vol. 173, no. 9, 1 November 2004 (2004-11-01), pages 5818-5826, XP002345721 ISSN: 0022-1767 the whole document	1-18
	-/	

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Category*	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 977 318 A (LINSLEY ET AL) 2 November 1999 (1999-11-02) column 7, line 18 - line 35 column 10, line 44 - line 55	19,20
	US 5 977 307 A (FRIDEN ET AL) 2 November 1999 (1999-11-02) column 20, line 64 - column 21, line 22; figure 8	19,20

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International application No. PCT/EP2005/003888

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were pald, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest
fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

Expression system comprising one or several nucleic acids that comprise $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

a) at least one nucleic acid for a IL-15/Fc fusion protein

b) at least one promoter

- and
 c) at least one nucleic acid for a CD5 leader
- 2. claims: 19, 20

Use of a CD5 leader for the expression of a protein in CHO cells and their derivatives, in particular CHO-K1 cells.

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Internal application No PCT/EP2005/003888

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0157242 A	09-08-2001	AU 3485301 A CA 2400013 A1 EP 1255853 A2 JP 2003534775 T	14-08-2001 09-08-2001 13-11-2002 25-11-2003
WO 0238766 A	16-05-2002	AU 3065902 A CA 2428242 A1 EP 1407017 A2 JP 2004516826 T	21-05-2002 16-05-2002 14-04-2004 10-06-2004
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